

AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A method of managing overwrite on an optical disc, the disc including a specified area having data written therein, the method comprising:

in response to a request that the specified area be overwritten, writing replacement-recording data associated with the specified area~~which is requested to be overwritten in a specified area of the disc where recording is completed in to another data~~a replacement area on the disc~~separated from the specified area in the disc; and~~

recording management information for managing the replacement-recorded data,
wherein the management information includes ~~two~~ first and second entries,

the first entry includes start address information of the specified area requested to be overwritten, and start address information of the replacement ~~replacement-recorded~~ area corresponding to the specified area, and

the second entry includes end address information of the specified area requested to be overwritten, and end address information of the replacement ~~replacement-recorded~~ area corresponding to the specified area,

the first and second entries are consecutive entries, and

each of the first and second entries further includes status information for indicating whether the corresponding entry is either a leading entry or a following entry following the leading entry.

2. (CURRENTLY AMENDED) The method of claim 1, wherein the ~~data requested to be overwritten is replacement-recorded~~ replacement area is located before an outer spare area among ~~the a~~ a data area of the disc.

3. (CURRENTLY AMENDED) The method of claim 1, wherein the replacement-recording data ~~which is requested to be overwritten~~ is consecutively replacement-recorded after a final data recording position among ~~the a~~ a data area of the disc.

4. (CURRENTLY AMENDED) The method of claim 1, wherein the ~~data which is requested to be overwritten is replacement recorded~~ replacement area is located in an overwrite area separately allocated in ~~the~~ a data area of the disc.

5. (CURRENTLY AMENDED) The method of claim 1, wherein the ~~data which is requested to be overwritten is replacement recorded~~ replacement area is located in a spare area of the disc.

6-7. (CANCELED)

8. (PREVIOUSLY PRESENTED) The method of claim 1, wherein the management information is recorded in a temporary defect management area of the disc.

9-19. (CANCELED)

20. (CURRENTLY AMENDED) An apparatus for recording/reproducing an optical disc, the disc including a specified area having data written therein, the apparatus comprising:

a recording/reproducing device for configured to, in response to a request that the specified area be overwritten, write replacement-recording data associated with the specified area
recording data in a replacement area of a data area to a replacement area on the disc, the
recording/reproducing device further configured to and recording management information for
managing the replacement-recorded data~~regarding the replacement recording data if an area~~
~~which is requested to be written is an area where the recording is completed,~~

wherein the management information includes ~~two~~ first and second entries,

the first entry includes start address information of the specified area requested to be overwritten, and start address information of the ~~replacement~~ replacement area corresponding to the specified area, and

the second entry includes end address information of the specified area requested to be overwritten, and end address information of the ~~replacement~~-replacement area corresponding to the specified area,

the first and second entries are consecutive entries, and
each of the first and second entries further includes status information for indicating whether the corresponding entry is either a leading entry or a following entry following the leading entry.

21. (CURRENTLY AMENDED) A computer-readable recording medium comprising:
a data area including a specified area having data written therein, and a replacement area for writing replacement-recording data associated with the specified area in response to a request that the specified area be overwritten~~being usable as a replacement area~~; and

at least one management area for storing management information associated with the replacement-recording data,

wherein the management information includes ~~two~~ first and second entries,
the first entry includes start address information of ~~an original~~ the specified area requested to be overwritten, and start address information of the replacement area corresponding to the specified area,

the second entry includes end address information of the ~~original~~ specified area requested to be overwritten, and end address information of the replacement area corresponding to the specified area, and

the first and second entries are consecutive entries, and
each of the first and second entries further includes status information for indicating whether the corresponding entry is either a leading entry or a following entry following the leading entry~~the original area is an area of the data area which is requested to be overwritten.~~

22. (PREVIOUSLY PRESENTED) The recording medium of claim 21, wherein the recording medium is a write once optical disc.

23. (CANCELLED)

24. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the start address information and the end address information include first physical sector numbers (first PSNs).

25. (CANCELLED)

26. (CANCELLED)

27. (PREVIOUSLY PRESENTED) The apparatus according to claim 20, wherein the start address information and the end address information include first physical sector numbers (first PSNs).

28. (CANCELLED)

29. (CANCELLED)

30. (PREVIOUSLY PRESENTED) The recording medium according to claim 21, wherein the start address information and the end address information include first physical sector numbers (first PSNs).

31-34. (CANCELLED)

35. (NEW) The method according to claim 1, wherein the first entry is a single unit of information stored together in one location on the disc, and the second entry is another single unit of information stored together in another location on the disc, such that the entire entry is accessed at a time.

36. (NEW) The apparatus according to claim 20, wherein the first entry is a single unit of information stored together in one location on the disc, and the second entry is another single unit of information stored together in another location on the disc, such that the entire entry is accessed at a time.

37. (NEW) The recording medium according to claim 21, wherein the first entry is a single unit of information stored together in one location on the disc, and the second entry is another single unit of information stored together in another location on the disc, such that the entire entry is accessed at a time.